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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/966,519	09/28/2001	David A. Wyatt	42390P10978	4756

8791 7590 06/13/2006

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EXAMINER

WU, XIAO MIN

ART UNIT	PAPER NUMBER
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2629

DATE MAILED: 06/13/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

09/966,519

Applicant(s)

WYATT, DAVID A.

Examiner

XIAO M. WU

Art Unit

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 05 April 2006.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 16-26 and 28-31 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 16-26 and 28-31 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
 - ☐ Certified copies of the priority documents have been received in Application No. _____.
 - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|---|---|
| 1) <input type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. _____ |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Claim Rejections - 35 USC § 102

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

2. Claims 16-26, 28-31 are rejected under 35 U.S.C. 102(b) as being anticipated by Khederzadeh et al. (US Patent No. 5,926,166).

As to claims 16, 20, 23, 26, 31, Khederzadeh discloses a driver (34, Fig. 1) comprising: a first routine, operating in a system management mode, to receive a signal in response to an indication of an event-driven action (e.g. pressing “hot key”) from a processor firmware (16) when the event-driven action occurs and to trigger an interrupt in response to the receiving signal (see col. 2, lines 51-56); and a second routine, operating external to the system management mode, to handle the triggered interrupt by controlling an operation to switch a program function from supporting a first device to supporting a second device (e.g. after detection of the interrupt signal from the SMM BIOS 28, the video driver is operating external to the SMM BIOS 28 to adjust the resolutions, and resize and move an application or application 12 under execution to properly fit on selected one or ones of the displays 24, 26, see col. 2, lines 56-61).

As to claims 17, 25, Khederzadeh discloses the driver is to support a variety of input/output devices and the driver is to perform the control action on the devices (e.g. adjusting resolutions , resize the display)

As to claims 18, 24, Khederzadeh discloses the driver supports a variety of display

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devices and the driver performs the switch from a first display device(e.g. LCD 24) to any other display device (e.g. 26 CRT).

As to claims 19, 21-22, Khederzadeh discloses that the control can be set and reset when it is completed (see Fig. 2). It is inherent to use a flag to set or reset a control device.

As to claim 28, Khederzadeh discloses a computer system comprising: a system firmware (16) including a basic input output system (BIOS, 28), programming to detect an event-driven action (e.g. pressing the “hot key“); a controller (30, 34) to receive an indication from said processor firmware (32) of an event-driven action when the event-driven action occurs and to generate a signal in response to the received indication; and a driver coupled to said controller to perform a program function in response to the signal to control an operation to control aspects of the device (e.g. adjusting resolution), in which the program function performs the operation external to system management mode of said processor firmware (e.g. the video driver is performing the function external to the SMM).

As to claim 29, Khederzadeh discloses the controller is a graphics controller (30, 34) and a switching action is initiated between a plurality of attached display devices (24, 26).

As to claim 30, Khederzadeh discloses herein the event-driven action is a hot-key action (20).

Response to Arguments

3. Applicant's arguments filed 4/5/2006 have been fully considered but they are not persuasive.

Applicant argues that Khederzadeh performs all the relevant operations of responding to an event-driven action within the SMM. This argument is not persuasive because Khederzadeh clearly discloses that after the detection of the interrupt signal from the SMM BIOS 28, the video driver is operating external to the SMM BIOS 28 to adjust the resolutions, and resize and move an application or application 12 under execution to properly fit on selected one or ones of the displays 24, 26 (see col. 2, lines 56-61).

Conclusion

4. **THIS ACTION IS MADE FINAL.** Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

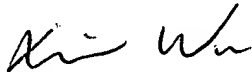
Any inquiry concerning this communication or earlier communications from the examiner should be directed to XIAO M. WU whose telephone number is 571-272-7761. The examiner can normally be reached on 6:30 am to 4:00 pm.

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If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, RICHARD HJERPE, can be reached on 571-272-7691. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

X.W.
June 9, 2006


XIAO M. WU
Primary Examiner
Art Unit 2629